

TECHNICAL DATA SHEET

Iron Oxide Orange T4960

Edition of	2012-12-20
Type	Orange Pigment
Delivery Form	Powder
Chemical Class	Synthetic Iron Oxide
Color Index	Pigment Yellow 42(77492) / Pigment Red 101 (77491)
CAS No.	20344-49-4 / 1309-37-1
Use Recommendation	Coating, Construction

COLOR VALUES AND TINTING STRENGTH

Reference	Standard: DIN 6174		
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Reduction with titanium dioxide (1:5)	R-706		No.038.2009-08-01
ΔL^*	-0.7	+0.7	
Δa^*	-0.7	+0.7	
Δb^*	-0.7	+0.7	
ΔE^*ab		1.0	
Binder	R-05		
Relative tinting strength [%]	98.0	103.0	No.038.2009-08-01

TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Content [%]		0.5	DIN ISO787 - 3
Sieve Residue (0.045mm) [%]		0.05	DIN 53195
Fe ₂ O ₃ [%]	86.0		DIN 55913 - 2
PH Value	5.0	7.0	DIN ISO787 - 9
Moisture (After Production) [%]		1.0	DIN ISO787 - 2
Loss on Heating 1000°C 1/2h [%]		12.0	DIN 55913 - 2
	<u>Approx.</u>		
Water Absorption [g/100g]	~40		DIN ISO787 - 5

STANDARD PACKAGING 20kg/bag